IBM

IBM System Storage 7214 Storage Device Enclosure

7214 Storage Device Enclosure

Highlights

■ *Features a 1U rack mountable easy-to-install design that can be configured with up to three storage devices*

■ *Offers storage device options for both tape and DVD optical drives*

■ *Provides performance enhancements with the new Serial SCSI interface and a control card sensor to track hardware function*

■ *Connects to high performance IBM System p™ servers*

Compact Design

Server designs are increasingly focused on higher performance in the most compact and affordable packaging possible. At the same time, these designs must provide save and restore compatibility with storage options offered on systems with larger footprints.

The IBM System Storage™ 7214 Storage Device Enclosure features the latest technology options in tape drives and DVD optical drives. The 7214 Storage Enclosure is a low-profile design that is an excellent choice for mounting in your System p 19" rack.

Storage Enclosure

The 7214 storage enclosure is a one EIA (1U) design that features two drive bays that can hold **one** tape drive, a slim design DVD-RAM drive and a

DVD-ROM optical drive for a total of up to three drives. The 7214 storage device enclosure may also feature two tape drives. No more than two DVD drives may be featured in a single enclosure.

Connection of the 7214 enclosure to System p requires the PCI-X DDR Dual-x4 SAS Adapter (Feature # 5900). Up to two 7214 enclosures may be attached to this adapter.

The new Serial SCSI electronic bus featured in the 7214 helps potentially provide higher through-put of drive data exchange on your System p server.

The 7214 also includes a control card sensor that can track hardware functions, and alerts the user regarding temperature and other operating conditions to help provide an available and reliable save and restore operation.

Warranty for the 7214 is one year. Service offerings include on-site service as well as a lower cost option for you to service the unit yourself during idle time of a save or restore operation.

Choice of Features
Drive options on the 7214 Storage Enclosure the DAT72 tape drive, and either a slim design DVD-RAM or DVD-ROM optical drive feature

- Tape Drive
DAT72 4mm tape drive—Storage capacity of up to 72 GB with a data transfer rate of up to 6 MB per second (assumes 2:1 compression). The DAT72 tape drive has a Serial SCSI bus for improved through-put of data. Media used in the DAT72 drive is read/write compatible with DDS-4, DDS-3 and DDS-2 media formats.

- DVD Optical Drive
DVD drive offered on the 7214 Storage Device Enclosure use bare media and support both synchronous and

asynchronous data transfers. The DVD drive is compatible with 2.6 GB, 4.7 GB, 5.2 GB, and 9.4 GB media.

RAM drive—Native capacity of up to 9.4 GB with a data transfer rate of 2.77 MB per second. With a typical 3:1 compression, a single disc can read and write up to 28 GB of data. The DVD-RAM drive is mounted in the DVD sled feature, which has space for a second DVD-RAM or DVD-ROM drive. The DVD-RAM drive can read CD-recordable, CD-RW and CD-ROM media.

ROM drive—Native capacity of up to 9.4 GB with a data transfer rate of 5.1 MB per second. With a typical 3:1 compression, a single disc can store up to 28 GB of data. The DVD-ROM drive is mounted in the DVD sled feature, which has space for a second DVD-ROM or DVD-RAM drive. A DVD-ROM drive can read DVD-RAM, CD-RW and CD-ROM media.

IBM System Storage 7214 Storage Device Enclosure at a glance

Characteristics

Number of storage devices	3 maximum (assumes one tape drive and two DVD drives)
Electronics	Serial SCSI (SAS) bus for enhanced data through-put
	Control card sensor to track hardware function
Typical compression	2:1 for tape drives; 3:1 for DVD optical drives
Color	Black
Warranty Options	One year
Service Offerings	1. 24x7 IBM on-site repair
	2. Customer Replaceable Unit (CRU)

Physical characteristics

Dimensions	4.4 cm H x 44.6 cm W x 73.6 cm D (1.7 in x 17.5 in x 29.0 in)
Weight	11.0 kg (24.2 lbs)

Operating environment

Temperature	16 to 32 degrees C (0 to 80 degrees F)
Relative humidity	20% to 80%
Wet bulb (max)	23 degrees C (73 degrees F)
Wet bulb (max)	0.047 kVA
Power requirement	90 watt power supply
Acoustics (max)	5.6 bels

Software requirements

AIX® 6.1	- level 5L for POWER™ V5.3 with the 5300-07 Technology Level
	- level 5L for POWER V5.3 with the 5300-06 Technology Level and Service Pack 4

Linux®	- SUSE Linux Enterprise Server 10 SP1 for POWER Systems, or later
	- Red Hat Enterprise Linux for POWER V4.6, or later
	- Red Hat Enterprise Linux for POWER V5.1, or later
IBM System p6 hardware adapter requirements	
Feature #5900	- PCI-X DDR Dual-x4 External SAS Controller Adapter

Drive options

Drive type	DAT72	DVD-RAM	DVD-ROM
Media	4mm tape	Bare discs	Bare discs
Native capacity	36 GB	2.6GB-9.4 GB	2.6GB-9.4 GB
Compressed Capacity	72 GB	Up to 28 GB	Up to 28 GB
Compatibility	DDS-4	CD-RW	CD-ROM
	DDS-3	CD Recordable	
	DDS-2		

For more information

Please contact your IBM marketing representative or IBM Business Partner, or visit:

ibm.com/servers/storage/tape/ enclosures/index.html

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